

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N 5TH ST	03-00289-00-BR	ADAMS	90	40

GENERAL NOTES AND BILL OF MATERIALS

CONTRACT NO. 93542

SHEET 2 OF 18

**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4"φ, holes 13/16"φ, unless otherwise noted.

Calculated weight of Structural Steel = 151,500 pounds.

All structural steel shall be AASHTO M270, Grade 50.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

If contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to the construction of the abutments.

One test pile to be driven to 110% of nominal required bearing in production location at each abutment prior to ordering remainder of piles.

Construction Permits: This project has been approved for construction under Statewide Permit No. 12, as issued by the Department of Natural Resources/Office of Water Resources.

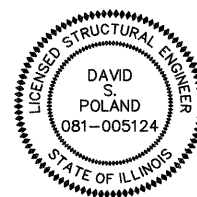
**TOTAL BILL OF MATERIALS**

ITEM	UNIT	SUPER	SUB	APPR.	TOTAL
* POROUS GRANULAR EMBANKMENT, SPECIAL	CU. YD.			198	198
STONE RIPRAP, CLASS A7	SQ. YD.			1,827	1,827
FILTER FABRIC	SQ. YD.			2,318	2,318
* REMOVAL OF EXISTING STRUCTURES	EACH				1
STRUCTURE EXCAVATION	CU. YD.			91	91
CONCRETE STRUCTURES	CU. YD.			35.8	57.4
CONCRETE SUPERSTRUCTURE	CU. YD.	170.2		113.6	283.8
BRIDGE DECK GROOVING	SQ. YD.	424			424
CONCRETE ENCASEMENT	CU. YD.			4.2	4.2
PROTECTIVE COAT	SQ. YD.	554			554
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM				1
STUD SHEAR CONNECTORS	EACH	1990			1990
REINFORCEMENT BARS, EPOXY COATED	POUND	36,800	4,840	27,380	69,020
BAR SPLICERS	EACH	66			66
FURNISHING STEEL PILES HP12x53	FOOT		300		300
DRIVING PILES	FOOT		300		300
TEST PILE, HP12x53	EACH		2		2
PILE SHOES	EACH		12		12
NAME PLATES	EACH	1			1
PARAPET RAILING	FOOT	296			296
GEOCOMPOSITE WALL DRAIN	SQ. YD.		96		96
* PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT		110		110

\* Items requiring Special Provisions

DESIGNED	D.S.P.
CHECKED	C.S.B.
DRAWN	D.S.P.
CHECKED	C.S.B.

EXAMINED	20	ENGINEER OF BRIDGE DESIGN
PASSED		ENGINEER OF BRIDGES AND STRUCTURES



I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

*DSP*  
David S. Poland  
Licensed Structural Engineer  
State of Illinois No. 81-005124  
Expires 11/30/2012  
Date 12-8-10

**PSBA**  
POEPPING, STONE, BACH & ASSOCIATES, INC.  
ARCHITECTS ENGINEERS PLANNERS SURVEYORS  
100 S 54TH ST, P.O. BOX 709 • QUINCY, IL 62306  
WITH OFFICES IN IKEOKUK, IOWA & HANNIBAL, MISSOURI  
www.psba.com • PHONE 877-223-4605

REVISIONS	
NAME	DATE

**GENERAL NOTES &  
BILL OF MATERIAL  
STRUCTURE NO. 001-6012**

CITY OF QUINCY, ILLINOIS  
N. 5TH STREET BRIDGE  
GENERAL NOTES AND  
BILL OF MATERIAL  
SCALE: VERT. DATE  
DRAWN BY: DSP  
CHECKED BY: CSB